



# **STIC Search Report**

## **EIC 2600**

**STIC Database Tracking Number: 123942**

**TO: Brian Yenke**  
**Location: Pk2 6C42**  
**Art Unit: 2614**  
**Wednesday, June 09, 2004**

**Case Serial Number: 09/465038**

**From: Pamela Reynolds**  
**Location: EIC 2600**  
**PK2-3C03**  
**Phone: 306-0255**

**Pamela.Reynolds@uspto.gov**

### **Search Notes**

Dear Brian Yenke,

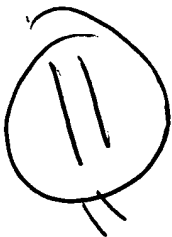
Please find attached the search results for 09/465038. I used the search strategy I emailed to you to edit, not hearing from you I proceeded. I searched the standard Dialog files, IBM TDBs, IEEE, and the internet.

If you would like a re-focus please let me know.

Thank you.

Pamela Reynolds



Access DB# 123942

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: BRIAN P. YENKE Examiner #: 77730 Date: 04 June 04  
Art Unit: 2614 Phone Number 305-9871 Serial Number: 09/465038  
Mail Box Location: AL2642 Results Format Preferred (circle): PAPER ☒ DISK ☐ E-MAIL ☐

If more than one search is submitted, please prioritize searches in order of need.  
\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Apparatus AND Method FOR Reducing the visual effects OF Artifacts Present in A Line Scanned VIDEO Display

Inventors (please provide full names): RONALD THOMAS KEEN

Earliest Priority Filing Date: 08 May 2000

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

"Near cancellation" or "visual cancellation"  
- by rounding a frequency  
"odd harmonic"

$$= (n + \frac{1}{2}) f_H$$
$$= 2.5 (15,734.26573 \text{ Hz})$$
$$= 39.336 \text{ KHz}$$

rounddown = 39 KHz      round up = 40 KHz

I have been unable to find a system which removes an artifact by calculating a value for the frequency of the periodic signal, by rounding the calculated value.

## STAFF USE ONLY

Searcher: Pamela Reynolds

Searcher Phone #: 306-0255

Searcher Location: PL23C03

Date Searcher Picked Up: 8-9-04 9:30

Date Completed: 6-4-04 1:30

Searcher Prep & Review Time: 4

Clerical Prep Time: \_\_\_\_\_

Online Time: 11:44

## Type of Search

NA Sequence (#) \_\_\_\_\_

AA Sequence (#) \_\_\_\_\_

Structure (#) \_\_\_\_\_

Bibliographic ☒

Litigation \_\_\_\_\_

Fulltext ☒

Patent Family \_\_\_\_\_

Other \_\_\_\_\_

## Vendors and cost where applicable

STN \_\_\_\_\_

Dialog ☒

Questel/Orbit \_\_\_\_\_

Dr. Link \_\_\_\_\_

Lexis/Nexis \_\_\_\_\_

Sequence Systems \_\_\_\_\_

WWW/Internet ☒

Other (specify) 116 114 DMB

File 256:SoftBase:Reviews,Companies&Prods. 82-2004/May  
(c)2004 Info.Sources Inc

Set	Items	Description
S1	1573	TV OR TELEVISION
S2	1544	SIGNAL?
S3	113	(VIDEO OR CRT OR CATHODE()RAY OR LINE()SCAN?) (3N)DISPLAY?
S4	25	CHROMINANCE OR LUMINANCE
S5	1	(NEAR OR VISUAL) (3N)CANCEL?
S6	0	ROUND?(3N)(UP OR DOWN) AND (INTEGER? OR INTEGRAL)
S7	809	FREQUENC?
S8	9	KHZ OR KILOHERTZ
S9	10	(BELOW OR LOWER OR EQUAL?) AND (39 OR THIRTYNINE OR THIRTY- -NINE)
S10	673	(HIGHER OR ABOVE OR MORE) AND (40 OR FORTY)
S11	0	ODD()HARMONIC
S12	48	(REMOV? OR DELET? OR EDIT? OR AMELIORAT? OR HIDE OR HIDING OR MASK?) AND ARTIFACT?
S13	3	ROUND? AND (INTEGER OR INTEGRAL)
S14	0	S3 AND S4 AND S7
S15	0	S8 AND S9
S16	1	S1 AND S12

5/3,K/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00094699 DOCUMENT TYPE: Review

PRODUCT NAMES: Netscape Navigator (530883); X Window (830048); OSF/Motif  
(702251)

TITLE: Using Netscape features in Xt/Motif applications

AUTHOR: VanHaren, Chris

SOURCE: Sun Observer, v10 n6 p15(1) Jun 1996

ISSN: 1058-5400

HOME PAGE: <http://www.pcinews.com/pci>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20010730

...use, is known for its many features and helpful interface design; good design features include **visual** clues regarding status, **cancelable** operations, and widget sensitivity, including sensible use of graying-out. A description is provided of...

?

16/3,K/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

01135798 DOCUMENT TYPE: Product

**PRODUCT NAME: Magic Bullet Suite 1.5 (135798)**

Orphanage Inc (732818)  
5225 Wilshire Blvd #705  
Los Angeles, CA 90036 United States  
TELEPHONE: (323) 933-8262

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20040301

...1.5 generates 24p film output from 60i video. The system also allows users to **remove** color **artifacts** from videos. It can handle QuickTime and AVI files. Magic Bullet Suite 1.5 works...

...includes fade, burn, and cross-dissolve tools. Magic Bullet Suite's LetterBox provides users with **television** and film aspect ratio control features. The Broadcast Spec module supports compliance with NTSC broadcast  
...  
?

File 344:Chinese Patents Abs Aug 1985-2004/May  
(c) 2004 European Patent Office  
File 347:JAPIO Nov 1976-2004/Jan(Updated 040506)  
(c) 2004 JPO & JAPIO  
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200435  
(c) 2004 Thomson Derwent

Set	Items	Description
S1	366003	TV OR TELEVISION
S2	2302777	SIGNAL?
S3	58336	(VIDEO OR CRT OR CATHODE()RAY OR LINE()SCAN?)(3N)DISPLAY?
S4	55036	CHROMINANCE OR LUMINANCE
S5	150	(NEAR OR VISUAL)(3N)CANCEL?
S6	112	ROUND?(3N)(UP OR DOWN) AND (INTEGER? OR INTEGRAL)
S7	787316	FREQUENC?
S8	13240	KHZ OR KILOHERTZ
S9	25807	(BELOW OR LOWER OR EQUAL?) AND (39 OR THIRTYNINE OR THIRTY- -NINE)
S10	198277	(HIGHER OR ABOVE OR MORE) AND (40 OR FORTY)
S11	164	ODD()HARMONIC
S12	834	(REMOV? OR DELET? OR EDIT? OR AMELIORAT? OR HIDE OR HIDING OR MASK?) AND ARTIFACT?
S13	4056	ROUND? AND (INTEGER OR INTEGRAL)
S14	806164	IC=H04N?
S15	3	S3 AND (S6 OR S13)
S16	1	S5 AND (S6 OR S13)
S17	1	S16 NOT S15
S18	2141	(S9 OR S10) AND S14
S19	0	S18 AND (S13 OR S6)
S20	13	S18 AND ROUND?
S21	1	S20 AND (S12 OR S5)
S22	1	S21 NOT (S16 OR S15)
S23	1	S20 AND (S7 OR S8)
S24	1	S23 NOT (S21 OR S16 OR S15)
S25	0	S11 AND S18
S26	58	AU=(KEEN, R? OR KEEN R?)
S27	0	S26 AND (S6 OR S13)
S28	15	S26 AND S1
S29	0	S28 AND S8
S30	0	S28 AND (S5 OR S12)
S31	1	S28 AND S11

15/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

04639443 \*\*Image available\*\*  
DATA GENERATION DEVICE FOR PICTURE RECORDING

PUB. NO.: 06-311343 [JP 6311343 A]  
PUBLISHED: November 04, 1994 (19941104)  
INVENTOR(s): TASAKA KAZUTAKA  
APPLICANT(s): DAINIPPON SCREEN MFG CO LTD [351872] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 05-116427 [JP 93116427]  
FILED: April 19, 1993 (19930419)

#### ABSTRACT

...in a pattern unnoticeable by approximating a size of each pattern picture element as an **integral** number of multiple of micro pixels in the main scanning direction and in the subscanning...

...a picture processing work station 200, the picture CI is interleaved and the result is **displayed** on a **CRT** 204. When a magnification M of pattern components PP1, PP2 having a size being a...

...elements arranged in the main scanning/subscanning directions are coincident with positions represented by an **integral** number resulting from **rounding** MXNXi and MXNXj. Thus, the picture is recorded through magnification without causing excess distortion in...

15/3,K/2 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

010908343 \*\*Image available\*\*  
WPI Acc No: 1996-405294/199641  
Related WPI Acc No: 1998-373741  
XRPX Acc No: N96-341478

**Video library system for video on demand system - has control device which regulates read-out of video information corresp. to read-out demand from terminal equipment**

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE )  
Inventor: KAWAGUCHI T; MORI T; NAKANO O; NISHIMURA K; SAKAMOTO H; SUZUKI H  
Number of Countries: 002 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7123398	A	19950512	JP 94116111	A	19940530	199641 B
US 5612790	A	19970318	US 94299749	A	19940901	199717

Priority Applications (No Type Date): JP 93218411 A 19930902  
Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 7123398	A	12	H04N-007/173	
US 5612790	A	18	H04N-005/76	

...Abstract (Basic): predetermined terminal equipments (11) for every time slot. A time slot sequence of the same **round** time from which a periodic phase shifted for each class of the information storage devices...

...ADVANTAGE - **Display** and read several **video** information with audio

information at same time. Secures empty time slot within max. phase difference...  
...Abstract (Equivalent): segment is capable of being read out in one time-slot and N is an **integer** greater than one...

15/3,K/3 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

008456269 \*\*Image available\*\*  
WPI Acc No: 1990-343269/199046  
XRPX Acc No: N90-262497

**Character display method for CRT monitor or raster printer - represents character structure by stems and counters, vertical and horizontal and transfers character to display space**

Patent Assignee: ADOBE SYSTEMS INC (ADOB-N)  
Inventor: PAXTON W H; SCHILLER S N  
Number of Countries: 009 Number of Patents: 008  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 397299	A	19901114	EP 90301348	A	19900208	199046 B
CA 2016609	A	19901112				199106
US 5050103	A	19910917	US 89351668	A	19890512	199140
EP 397299	A3	19920325	EP 90301348	A	19900208	199327
EP 397299	B1	19950906	EP 90301348	A	19900208	199540
DE 69022109	E	19951012	DE 622109	A	19900208	199546
			EP 90301348	A	19900208	
JP 2992698	B2	19991220	JP 90123974	A	19900514	200005
CA 2016609	C	20010501	CA 2016609	A	19900511	200131

Priority Applications (No Type Date): US 89351668 A 19890512  
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 397299	A				
					Designated States (Regional): DE FR GB IT NL SE
EP 397299	B1 E	13		G06K-015/02	
					Designated States (Regional): DE FR GB IT NL SE
DE 69022109	E			G06K-015/02	Based on patent EP 397299
JP 2992698	B2	10		G09G-005/24	Previous Publ. patent JP 3208093
CA 2016609	C E			G09G-005/16	

**Character display method for CRT monitor or raster printer...**

...Abstract (Basic): the horizontal or vertical counters are grouped into a first chain of counters. The non- **integer** counter widths of the chain are adjusted in relation to the other counter widths within...  
...Abstract (Equivalent): to be displayed, and where, as a result of such scaling, the counter widths have **integer** and fractional portions, characterised by: grouping the counters defined by a first plurality of overlapping...

...other counters in the first chain; adjusting the counter widths within the first chain by **rounding** them **up** or **down** so that counter widths in the same subgroups are **rounded** in the same direction; and grouping the remaining counters in the character not in the first chain into one or more chains of overlapping, horizontal and vertical counters, and **rounding** the counter widths, chain by chain, until all the counter widths have been adjusted in...

...Abstract (Equivalent): the horizontal or vertical counters are grouped into a first chain of counters. The non- **integer** counter widths of



17/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

02703226 \*\*Image available\*\*  
ECHO CANCELLER DEVICE

PUB. NO.: 64-000826 [JP 64000826 A]  
PUBLISHED: January 05, 1989 (19890105)  
INVENTOR(s): TANAKA YOSHIKI  
UMIGAMI SHIGEYUKI  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 62-155973 [JP 87155973]  
FILED: June 23, 1987 (19870623)  
JOURNAL: Section: E, Section No. 747, Vol. 13, No. 168, Pg. 8, April  
21, 1989 (19890421)

#### ABSTRACT

PURPOSE: To erase multiple echoes by using an **integer** -fold **round** trip delay time as the delay time of multiple far-end echoes...

... echo, a false near-end echo signal is generated from a transmission signal by a **near** -end echo **canceller** 1. With respect to first, second,... n-th far-end echoes, the transmission signal is successively delayed in delay circuits 3(sub 1)-3(sub n), which wave the **round** trip delay time preliminarily obtained by training sequence, by **integer** -fold delay times and is given to far-end echo cancellers 2(sub 1)-2...

?

22/3,K/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013773004 \*\*Image available\*\*  
WPI Acc No: 2001-257215/200126  
XRPX Acc No: N01-183447

Color modification system for digital non-linear editing , has chroma  
lookup table that outputs chroma coefficients when respective luma value  
is input by accessing corresponding luma value entry in lookup table  
Patent Assignee: AVID TECHNOLOGY INC (AVID-N); CACCIATORE R D (CACC-I);  
GONSALVES R (GONS-I)

Inventor: CACCIATORE R D; GONSALVES R  
Number of Countries: 022 Number of Patents: 005  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200063840	A1	20001026	WO 2000US10067	A	20000414	200126 B
AU 200043499	A	20001102	AU 200043499	A	20000414	200126
US 6417891	B1	20020709	US 99293259	A	19990416	200253
US 20020180892	A1	20021205	US 99293259	A	19990416	200301
			US 2002186898	A	20020701	
US 6583824	B2	20030624	US 99293259	A	19990416	200343
			US 2002186898	A	20020701	

Priority Applications (No Type Date): US 99293259 A 19990416; US 2002186898  
A 20020701

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200063840	A1	E 45	G06T-011/00	
			Designated States (National):	AU CA JP
			Designated States (Regional):	AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
AU 200043499	A		G06T-011/00	Based on patent WO 200063840
US 6417891	B1		H04N-009/64	
US 20020180892	A1		H04N-009/64	Cont of application US 99293259 Cont of patent US 6417891
US 6583824	B2		H04N-009/64	Cont of application US 99293259 Cont of patent US 6417891

Color modification system for digital non-linear editing , has chroma  
lookup table that outputs chroma coefficients when respective luma value  
is input by...

Abstract (Basic):

... received color components (14,12) and chroma coefficients in  
order to generate modification components (38, 40 ).  
...

...For digital non-linear editing system...

...modification, increases the rate at which color modification is  
performed and decreases the effects of rounding errors. Decreasing  
the effects of the rounding errors produces more accurate color  
modifications, and in turn reduces the likelihood of artifacts .  
...

...Modified chroma components (38, 40 )

...Title Terms: EDIT ;

...International Patent Class (Main): H04N-009/64

24/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

03353495 \*\*Image available\*\*  
RECORDING CIRCUIT OF VIDEO TAPE RECORDER

PUB. NO.: 03-016395 [JP 3016395 A]  
PUBLISHED: January 24, 1991 (19910124)  
INVENTOR(s): SHIBATA AKIRA  
YOSHIOKA ATSUSHI  
WATANABE KATSUYUKI  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 02-132566 [JP 90132566]  
FILED: May 24, 1990 (19900524)  
JOURNAL: Section: E, Section No. 1052, Vol. 15, No. 135, Pg. 101,  
April 04, 1991 (19910404)

INTL CLASS: H04N-009/83

ABSTRACT

... uniformize a reproduction level of a signal recorded while using a luminance signal subjected to **frequency** modulation as a bias by increasing a recording current level of a chroma signal in the case of recording a signal onto a vapor-deposition tape **more** than the case recording a signal onto a metal coating tape...

... 52, 68, a device 67 detecting kinds of a tape, recording current level setting circuits 40, 41 and a signal switching circuits 34-37, and the circuits 34-37 are turned to the position of black **round** marks (upper contact) when a video head records an overlap track, and turned to the position of white **round** marks (lower contact) when the video head records a video track. That is, after plural signals recorded by using an audio signal with high **frequency** bias (such as low **frequency** conversion chroma signal, **frequency** modulated audio signal and pilot signal) are mixed, the recording level to a vapor-deposition tape is increased **more** than that on a metal coating tape. Then each signal is written in the optimum...  
?

31/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

014096966

WPI Acc No: 2001-581180/200165

XRPX Acc No: N01-432948

**Apparatus for reducing artifacts present in a line scanned video display  
by selecting frequency of an artifact to be an odd harmonic at half  
the horizontal line scan frequency**

Patent Assignee: THOMSON LICENSING SA (CSFC )

Inventor: **KEEN R T**

Number of Countries: 095 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200145394	A1	20010621	WO 2000US33655	A	20001212	200165 B
AU 200124297	A	20010625	AU 200124297	A	20001212	200165
EP 1238534	A1	20020911	EP 2000988044	A	20001212	200267
			WO 2000US33655	A	20001212	
KR 2002062333	A	20020725	KR 2002707524	A	20020612	200308
JP 2003517789	W	20030527	WO 2000US33655	A	20001212	200344
			JP 2001546155	A	20001212	
CN 1409920	A	20030409	CN 2000817041	A	20001212	200345
MX 2002005973	A1	20021101	WO 2000US33655	A	20001212	200376
			MX 20025973	A	20020614	

Priority Applications (No Type Date): US 99465038 A 19991216

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200145394 A1 E 10 H04N-005/44

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO  
RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200124297 A H04N-005/44 Based on patent WO 200145394

EP 1238534 A1 E H04N-005/44 Based on patent WO 200145394

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

KR 2002062333 A H04N-005/21

JP 2003517789 W 13 H04N-005/21 Based on patent WO 200145394

CN 1409920 A H04N-005/44

MX 2002005973 A1 H04N-005/21 Based on patent WO 200145394

... in a line scanned video display by selecting frequency of an artifact  
to be an odd harmonic at half the horizontal line scan frequency

Inventor: **KEEN R T**

Abstract (Basic):

... selected so that the frequency of the periodic signal can be  
predetermined to be an **odd harmonic** of half the horizontal line  
scan frequency. so that the adjacent scan lines of the...  
... artifact introduced by periodic signals leaking or introduced  
into the luminance channel of a color **TV** receiver...  
?

File 348:EUROPEAN PATENTS 1978-2004/Jun W01

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040603,UT=20040527

(c) 2004 WIPO/Univentio

Set	Items	Description
S1	78455	TV OR TELEVISION
S2	525431	SIGNAL?
S3	37548	(VIDEO OR CRT OR CATHODE()RAY OR LINE()SCAN?) (3N)DISPLAY?
S4	18233	CHROMINANCE OR LUMINANCE
S5	371	(NEAR OR VISUAL) (3N)CANCEL?
S6	1285	ROUND? (3N) (UP OR DOWN) (5N) (INTEGER? OR INTEGRAL)
S7	329016	FREQUENC?
S8	9	(BELOW OR LOWER OR EQUAL?) (3N) (39 OR THIRTYNINE OR THIRTY-- NINE) (3N) (KHZ OR KILOHERTZ)
S9	263	(HIGHER OR ABOVE OR MORE) (3N) (40 OR FORTY) (3N) (KHZ OR KILO- HERTZ)
S10	658	ODD()HARMONIC?
S11	1392	(REMOV? OR DELET? OR EDIT? OR AMELIORAT? OR HIDE OR HIDING OR MASK?) (3N)ARTIFACT?
S12	1770	ROUND? (3N) (INTEGER? OR INTEGRAL?? OR S7)
S13	56279	IC=H04N?
S14	12	S1(S) (S6 OR S12)
S15	0	S14(S)S11
S16	0	S14(S) (S8 OR S9)
S17	1	S14 AND AD=20000508:20040609/PR
S18	11	S14 NOT S17
S19	11	IDPAT (sorted in duplicate/non-duplicate order)
S20	11	IDPAT (primary/non-duplicate records only)
S21	0	S10(S) (S8 OR S9)
S22	332	(S5 OR S11) AND S13
S23	119	S22(S) (S1 OR S2)
S24	43	S23(S)S4
S25	17	S24(S)S7
S26	1	S25(S) (S10 OR KHZ OR KILOHERTZ)
S27	1	S26 NOT S14

20/3,K/1 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00752340

**Multiple HDTV format digital signal converter**

**Digitaler Signalumsetzer fur verschiedene HDTV-Formate**

**Convertisseur digital de signal pour des formats HDTV multiples**

PATENT ASSIGNEE:

ADVANCED TELEVISION TEST CENTER, INC., (1348801), 1330 Braddock Place,  
Suite 200, Alexandria, VA 22314, (US), (applicant designated states:  
AT;BE;CH;DE;DK;ES;FR;GB;IT;LI;LU;NL;SE)

INVENTOR:

Rhodes, Charles W., 64 South River Road, Edgewater, Maryland 21037, (US)

LEGAL REPRESENTATIVE:

Altenburg, Udo, Dipl.-Phys. et al (1269), Patent- und Rechtsanwälte  
Bardehle . Pagenberg . Dost . Altenburg . Frohwitter . Geissler &  
Partner, Postfach 86 06 20, D-81633 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 708558 A2 960424 (Basic)

EP 708558 A3 960515

APPLICATION (CC, No, Date): EP 95119635 900907;

PRIORITY (CC, No, Date): US 404190 890907

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; IT; LI; LU; NL; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 490942 (EP 909133167)

INTERNATIONAL PATENT CLASS: H04N-007/01; H04N-007/00;

ABSTRACT WORD COUNT: 126

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	275
SPEC A	(English)	EPAB96	10394
Total word count - document A			10669
Total word count - document B			0
Total word count - documents A + B			10669

...SPECIFICATION will not always be an integer. In order for digital generation, N, must be an **integer**.

Step #6 Round N to the nearest **integer**.

In effect, by **rounding** the approximated 85% blanking time is slightly varied up or down until the nearest integer...

20/3,K/2 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00784139

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A SELF-DESCRIBING STREAM IN  
A COMMUNICATION SERVICES PATTERNS ENVIRONMENT**

**SYSTEME, PROCEDE ET ARTICLE DE FABRICATION DESTINES A UN FLUX  
D'AUTODESCRIPTEURS DANS UN ENVIRONNEMENT DE MODELES DE SERVICES DE  
COMMUNICATION**

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918  
, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116734 A2-A3 20010308 (WO 0116734)

Application: WO 2000US23999 20000831 (PCT/WO US0023999)

Priority Application: US 99387070 19990831

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150517

Fulltext Availability:

Detailed Description

Detailed Description

... new markup language being developed by the W3C. SMIL will allow Web authors to deliver **television** -like content over the Web using less bandwidth and a simple text editor, rather than...and video streams or by transferring a single interleaved stream. Examples include video conferencing and **television** (traditional or interactive).

Audio/Video services can include the following functionality.

124

Streams content (audio...

**20/3,K/3 (Item 3 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00784134

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A CONSTANT CLASS COMPONENT IN A BUSINESS LOGIC SERVICES PATTERNS ENVIRONMENT**

**SYSTEME, PROCEDE ET ARTICLE MANUFACTURE UN COMPOSANT DE CLASSE DE CONSTANTE DANS UN ENVIRONNEMENT DE SCHEMAS DE SERVICES DE LOGIQUE D'AFFAIRES**

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US; US

(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly LLP, Suite 3800, 2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116726 A2-A3 20010308 (WO 0116726)

Application: WO 2000US24188 20000831 (PCT/WO US0024188)

Priority Application: US 99387213 19990831

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD

MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ

VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 150446

Fulltext Availability:  
Detailed Description

Detailed Description

... new markup language being developed by the W3C. SMIL will allow Web authors to deliver **television** -like content over the Web using less bandwidth and a simple text editor, rather than...and video streams or by transferring a single interleaved stream. Examples include video conferencing and **television** (traditional or interactive).

Audio/Video services can include the following functionality.

Streams content'(audio, video...

20/3,K/4 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00752407 \*\*Image available\*\*

SUB-PIXEL ACCURATE MOTION VECTOR ESTIMATION AND MOTION-COMPENSATED INTERPOLATION

ESTIMATION DE VECTEURS DE MOUVEMENT PRECIS AU NIVEAU DES SOUS-PIXELS ET INTERPOLATION A MOUVEMENTS COMPENSES

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA  
Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

DE HAAN Gerard, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL  
BELLERS Erwin B, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL  
SCHUTTEN Robert J, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL

Legal Representative:

STEENBEEK Leonardus J, Internationaal Octrooibureau B.V., Prof Holstlaan 6, NL-5656 AA Eindhoven, NL

Patent and Priority Information (Country, Number, Date):

Patent: WO 200065829 A1 20001102 (WO 0065829)  
Application: WO 2000EP3538 20000417 (PCT/WO EP0003538)  
Priority Application: EP 99201298 19990426; EP 99202479 19990728

Designated States: JP KR

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 5182

Fulltext Availability:  
Claims

Claim

... towards the largest smaller (or smallest larger@ integer value (i.e. a truncation) and a **rounding** towards the nearest **integer** value. The expression "image" encompasses both a field and a frame. These and other aspects...

...device in



accordance with the present invention; and  
Fig. 4 shows an embodiment of a **television** apparatus in accordance with the present invention. We found that the straightforward use of the...AV to obtain the output image n-Y2. Fig. 4 shows an embodiment of a **television** apparatus in accordance with- the present invention. An antenna A supplies a **television** signal to a ti.mer TUN that furnishes a video signal to a processor PROC...embodied by one and the same item of hardware.

5

References:

III] G.A. Thomas, " **Television** motion measurement for DATV and other applications", BBC Research Report No. BBC RD 1987/1...

...Vol. 38, No.3, 1992. 151 G. de Haan and H. Huijgen, "Motion Estimation for **TV** Picture Enhancemene', Proc. 4th Int. Workshop on HDTV and beyond, Torino, 1991. [6] T. Reuter...

20/3,K/5 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00751240 \*\*Image available\*\*

**MEMORY MANAGEMENT METHOD FOR HIGH SPEED STREAMING DATA PROCESSING IN A COMPUTER DEVICE**

**GESTION ET MANIPULATION OPTIMALES DE SUPPORT D'EMISSION EN CONTINU A GRANDE VITESSE DANS UN DISPOSITIF INFORMATIQUE**

Patent Applicant/Assignee:

RAVISENT TECHNOLOGIES INC, 1 Great Valley Parkway, Malvern, PA 19355-1308  
, US, US (Residence), US (Nationality)

Inventor(s):

WOLFF Robert M, 378 Sunnyslope Drive, Fremont, CA 94536, US,  
LANGER Randy, 3785 Celeste Court S.E., Port Orchard, WA 98366, US,  
SIGMUND Ulrich, Viktorlastr. 6, D-76133 Karsruhl, DE,

Legal Representative:

GLENN Michael A (et al) (agent), Law Offices of Michael A. Glenn, 3475  
Edison Way, Ste. L, Menlo Park, CA 94025, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200064186 A2-A3 20001026 (WO 0064186)

Application: WO 2000US8771 20000331 (PCT/WO US0008771)

Priority Application: US 99283947 19990401; US 99287535 19990406; US  
99342527 19990629; US 99467552 19991210

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA

UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 26922

Fulltext Availability:

Claims

Claim

... at a rate of at least thirty frames per second. Current proposals for high-definition **television** (HDTV) call for as many as 1920 by 1080 or

more pixels per frame, which...ends of cases B, C, and D is defined in the MPEG-2 specification as: " **Integer** division with **rounding** to the nearest **integer** . Half- **integer** values are **rounded** away from zero unless otherwise specified.[ ... ]". Therefore, when a two or a four are the...

20/3,K/6 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00732154 \*\*Image available\*\*

**VESTIGIAL SIDEBAND GENERATOR PARTICULARLY FOR DIGITAL TELEVISION**

**GENERATEUR DE BANDES LATERALES RESIDUELLES DESTINE NOTAMMENT A LA TELEVISION NUMERIQUE**

Patent Applicant/Assignee:

CONTINENTAL ELECTRONICS CORPORATION, 4212 S. Buckner Boulevard, Dallas, TX 75227, US, US (Residence), US (Nationality)

Inventor(s):

HERSHBERGER David L, 10373 Pine Flat Way, Nevada City, CA 95959-9136, US

Legal Representative:

LOWE Allan M, Lowe Hauptman Gopstein Gilman & Berner, LLP, Suite 310, 1700 Diagonal Road, Alexandria, VA 22314, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200045503 A1 20000803 (WO 0045503)

Application: WO 2000US1677 20000127 (PCT/WO US0001677)

Priority Application: US 99239668 19990129

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 17528

Fulltext Availability:

Detailed Description

Detailed Description

... ied Weaver

modulator for deriving a vestigial sideband ATSC/A53 I. F.

signal having a **frequency** with a **round** number, in accordance with a second embodiment of the present invention;

Figure 9 is a block diagram of a further embodiment of a vestigial sideband modulator for a digital

**television** transmitter, wherein the digital signal is applied to a lowpass filter prior to being applied...

20/3,K/7 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00448336 \*\*Image available\*\*

DIGITAL SIGNAL COMPRESSION ENCODING WITH IMPROVED QUANTISATION  
CODAGE DE COMPRESSION DE SIGNAUX NUMERIQUES A QUANTIFICATION AMELIOREE

Patent Applicant/Assignee:

BRITISH BROADCASTING CORPORATION,  
SNELL & WILCOX LIMITED,  
WERNER Oliver Hartwig,  
WELLS Nicholas Dominic,  
KNEE Michael James,

Inventor(s):

WERNER Oliver Hartwig,  
WELLS Nicholas Dominic,  
KNEE Michael James,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9838800 A1 19980903  
Application: WO 98GB582 19980225 (PCT/WO GB9800582)  
Priority Application: GB 973834 19970225; GB 973831 19970225

Designated States: AU CA JP US AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE

Publication Language: English

Fulltext Word Count: 19999

Fulltext Availability:

Claims

Claim

... 52)

T 2 16 16

resulting in

10 = Fdllj = 16 (53)

[WI],

where the functionra ] rounds the given argument a up to the nearest  
integer . The resulting ML-estimate of  $z = e^{-a}$  can be used for all  
qscale1-values...a.) horiz. freq. 1, vert. freq. 1; w1=16

16W

14M n,

10 1 fo TV = 0.049290

1200 1< 0

1000

35.879181

800

600 Z e -a - 249 0...

20/3,K/8 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00376923

STRUCTURED FOCUSED HYPERTEXT DATA STRUCTURE

STRUCTURE DE DONNEES HYPERTEXTE ARTICULEE SUR LA STRUCTURATION

Patent Applicant/Assignee:

HYPERMED LTD,  
OREN Avraham,  
OLCHA Lev,  
KOWALSKI Nahum,  
MARGULYAN Rita,

Inventor(s):

OREN Avraham,  
OLCHA Lev,  
KOWALSKI Nahum,  
MARGULYAN Rita,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9717666 A2 19970515  
Application: WO 96IL131 19961023 (PCT/WO IL9600131)  
Priority Application: US 95551929 19951023  
Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB  
GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM  
AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT  
SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 263802

Fulltext Availability:  
Detailed Description

Detailed Description  
... Dim HeadingLastLineNumber As  
tblAlgorithmShapes("Shape Border Integer  
Color") Dim BodyLastLineNumber As  
Case TOOL -ROUNDED  
SQUARE Integer  
RoundSquare Pic, Dim Result As Integer  
tblAlgorithmShapes("Shape Left/Line Dim OneLineHeight As Single  
X2"), tblAlgorithmShapes...

20/3,K/9 (Item 9 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00267072  
WIDE-FIELD THREE-DIMENSIONAL VIEWING SYSTEM  
SYSTEME DE VISUALISATION TRIDIMENSIONNELLE A CHAMP LARGE  
Patent Applicant/Assignee:

PILLING Geoffrey,  
TEGMARK Max E,  
LARMORE Edward,

Inventor(s):  
PILLING Geoffrey,  
TEGMARK Max E,  
LARMORE Edward,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9415241 A1 19940707  
Application: WO 93US12442 19931221 (PCT/WO US9312442)  
Priority Application: US 92993416 19921221  
Designated States: AU CA JP KR RU AT BE CH DE DK ES FR GB GR IE IT LU MC NL  
PT SE  
Publication Language: English  
Fulltext Word Count: 5552

Fulltext Availability:  
Claims

Claim  
... pixels (xi, yl) and (X2, Y2) oil said  
monitor according to the following formulas:  
XI = TV I +  
14 W(I+z1D)]  
I X+L) LI  
yj = H +  
12 (1+.ID) h  
X2 = TV - XI,

1 0 112 = H I + (;c - L) LI  
12 h (I +, : / Z@)+11  
where...

...eyes to the screen and where-the pixel coordinates xi, Y17 X2 and Y2 are  
**rounded** to the nearest **integer** values.

12  
. The inct-hod of claiin 19 where said computer monitor is a 14 inch  
moillitor with pixel resolution of 640 by 480 and TV = 640, H = 480, 9 1  
", It = 7", L =it/  
2 4  
and D = 12".  
13

20/3,K/10 (Item 10 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00239362  
METHOD AND APPARATUS FOR IMAGE DATA COMPRESSION USING COMBINED  
LUMINANCE/CHROMINANCE CODING  
PROCEDE ET APPAREIL DESTINES A LA COMPRESSION DE DONNEES D'IMAGE ET  
RECOURANT A UN CODAGE COMBINE LUMINANCE/CHROMINANCE

Patent Applicant/Assignee:  
AMPEX SYSTEMS CORPORATION,

Inventor(s):  
COLEMAN Charles H,  
MILLER Sidney D,  
SMIDTH Peter,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9313628 A1 19930708  
Application: WO 92US10922 19921217 (PCT/WO US9210922)  
Priority Application: US 91486 19911220

Designated States: AU CA JP KR NO AT BE CH DE DK ES FR GB GR IE IT LU MC NL  
PT SE

Publication Language: English  
Fulltext Word Count: 8203

Fulltext Availability:  
Detailed Description

Detailed Description  
... a bus 38. The data is "quantizeT by scaling each coefficient by  
the quantizing factor, **rounding** to the nearest **integer** , and coding  
the  
resulting value by means of an entropy encoder such as a Huffman...

20/3,K/11 (Item 11 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00164699  
STEREOLITHOGRAPHIC BEAM PROFILING  
PROFILAGE DE FAISCEAU STEREOLITHOGRAPHIQUE

Patent Applicant/Assignee:

3D SYSTEMS INC,

Inventor(s):  
SPENCE Stuart Thomas,

TARNOFF Harry,  
ALMQUIST Thomas,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 8911085 A1 19891116  
Application: WO 89US1559 19890417 (PCT/WO US8901559)  
Priority Application: US 88830 19880418; US 88816 19881108; US 88837  
19881108; US 88907 19881108; US 88801 19881108  
Designated States: JP KR  
Publication Language: English  
Fulltext Word Count: 292227

Fulltext Availability:

Detailed Description

Detailed Description

```
... if ffield=4 then writeln(PrintDev);
```

```
end;
```

```
end;
```

```
procedure Position3;
```

```
var
```

```
i,lX,yFstep.dir: Integer ;
```

```
temp: String;
```

```
XOffs,YOffs,Xgain,Ygain: Real;
```

```
procedure Printeroff;
```

```
begin
```

```
if printout then b*egin...Xval X;
```

```
Yval Y;
```

```
end;
```

```
SpiralSearchForHole := BeamFound;
```

```
end;
```

```
end;
```

```
function FindBeam(var FindBeamVars.
```

```
FindBeamVarType;Sensor: Integer ;
```

```
FindMethod: FindMethodType): Boolean;
```

```
const
```

```
HoleSeparation = 600;
```

```
var
```

```
DisplayFlag: Boolean;
```

```
i,ADC.pass,CantFind,spiralSide: Integer...14);
```

```
gry2 := round((65535-y2-XOffset- GrMinY)/GrDeltaY*  
(22-9)*14);
```

```
end else begin
```

```
gry1:= round ((yl+YOffset-GrMinY)/GrDeltaY*(22-9)*14);
```

```
gry2:=round((y2+YOffset-GrMinY)/GrDeltaY*(22-9...
```

?

27/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

00331960

**INTERACTIVE VIDEO METHOD AND APPARATUS.**  
**VERFAHREN UND GERAT FUR INTERAKTIVES VIDEO.**  
**PROCEDE ET APPAREIL VIDEO INTERACTIFS.**

**PATENT ASSIGNEE:**

INTERACTIVE SYSTEMS, INC., (1097550), 1225 N.W. Murray Road, Suite 210,  
Portland, OR 97229, (US), (applicant designated states:  
AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

**INVENTOR:**

BROUGHTON, Robert, S., 870 S.W. 123rd Court, Portland, Oregon 97225, (US)  
LAUMEISTER, William, C., 2546 Boren Drive, San Jose, CA 95121, (US)

**LEGAL REPRESENTATIVE:**

Dickel, Klaus, Dipl.-Ing. (2981), Herrnstrasse 15, D-80539 Munchen, (DE)  
PATENT (CC, No, Kind, Date): EP 346402 A1 891220 (Basic)

EP 346402 B1 940105

WO 8904100 890505

APPLICATION (CC, No, Date): EP 88906481 880630; WO 88US2192 880630

PRIORITY (CC, No, Date): US 112713 871020

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: H04N-007/08;

ABSTRACT WORD COUNT: 196

**NOTE:**

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	582
CLAIMS B	(German)	EPBBF1	544
CLAIMS B	(French)	EPBBF1	708
SPEC B	(English)	EPBBF1	9105
Total word count - document A			0
Total word count - document B			10939
Total word count - documents A + B			10939

...SPECIFICATION mixer 134, in what may be thought of as a double-line correlator. A 250 kHz , low-pass filter 136 **removes** undesirable, high-**frequency artifacts** of horizontal delay line 130. The output of filter 136 is clamped at 138 (while...

...field being analyzed, as this is the only time of particular interest. A 7.867 kHz band-pass filter 142, a full-wave rectifier 144, an integrator 146 and a reference...the luminance within the subfield is too high detectably to be luminance modulated with data. **Complementarily** , the output of gate 156 is peak detected at 164, **clamped** at 166 (while VERTICAL SYNC is active) **and compared** at 168 to a predetermined 'black' luminance minimum to produce a signal, TOO BLACK, that indicates whether...

...subfield as being either of too high or too low a luminance. During the data **encoding** process, such fields may be avoided, and a more suitable, but equally timely, sequence of...

?

File 2:INSPEC 1969-2004/May W5  
(c) 2004 Institution of Electrical Engineers  
File 6:NTIS 1964-2004/Jun W1  
(c) 2004 NTIS, Intl Cpyrght All Rights Res  
File 8:Ei Compendex(R) 1970-2004/May W5  
(c) 2004 Elsevier Eng. Info. Inc.  
File 34:SciSearch(R) Cited Ref Sci 1990-2004/May W5  
(c) 2004 Inst for Sci Info  
File 35:Dissertation Abs Online 1861-2004/May  
(c) 2004 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2004/Jun W1  
(c) 2004 BLDSC all rts. reserv.  
File 94:JICST-EPlus 1985-2004/May W3  
(c)2004 Japan Science and Tech Corp(JST)  
File 95:TEME-Technology & Management 1989-2004/May W4  
(c) 2004 FIZ TECHNIK  
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/May  
(c) 2004 The HW Wilson Co.  
File 144:Pascal 1973-2004/May W5  
(c) 2004 INIST/CNRS  
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep  
(c) 2003 EBSCO Pub.  
File 239:Mathsci 1940-2004/Jul  
(c) 2004 American Mathematical Society  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
File 603:Newspaper Abstracts 1984-1988  
(c)2001 ProQuest Info&Learning  
File 483:Newspaper Abs Daily 1986-2004/Jun 08  
(c) 2004 ProQuest Info&Learning  
File 248:PIRA 1975-2004/May W5  
(c) 2004 Pira International

Set	Items	Description
S1	623292	TV OR TELEVISION
S2	2350801	SIGNAL?
S3	30889	(VIDEO OR CRT OR CATHODE()RAY OR LINE()SCAN?)(3N)DISPLAY?
S4	39576	CHROMINANCE OR LUMINANCE
S5	667	(NEAR OR VISUAL)(3N)CANCEL?
S6	161	ROUND?(3N)(UP OR DOWN) AND (INTEGER? OR INTEGRAL)
S7	2691165	FREQUENC?
S8	130129	KHZ OR KILOHERTZ
S9	56212	(BELOW OR LOWER OR EQUAL?) AND (39 OR THIRTYNINE OR THIRTY- -NINE)
S10	423537	(HIGHER OR ABOVE OR MORE) AND (40 OR FORTY)
S11	413	ODD()HARMONIC
S12	7757	(REMOV? OR DELET? OR EDIT? OR AMELIORAT? OR HIDE OR HIDING OR MASK?) AND ARTIFACT?
S13	4345	ROUND? AND (INTEGER OR INTEGRAL)
S14	112	(S5 OR S12) AND S1
S15	0	S14 AND (S6 OR S13)
S16	1	S14 AND (S9 OR S10)
S17	0	S16 NOT AFRICA
S18	3	(S1 OR S3) AND S5
S19	3	S18 NOT S16
S20	3	RD S19 (unique items)
S21	1	S20 NOT (PROGRAMS OR BOND??)
S22	3622	S2 AND S3
S23	1	S22 AND (S6 OR S13)



S24	1	S23 NOT (S16 OR S18)
S25	2	S2 AND S8 AND S5
S26	2	S25 NOT (S23 OR S16 OR S18)
S27	1	RD S26 (unique items)
S28	56	(S13 OR S6) AND (S9 OR S10)
S29	0	S28 AND S8
S30	0	S28 AND S11
S31	0	S28 AND S5
S32	0	S28 AND S4
S33	0	S28 AND S3
S34	5	S28 AND (S1 OR S2)
S35	5	S34 NOT (S25 OR S23 OR S16 OR S18)
S36	5	RD S35 (unique items)
S37	524	AU=(KEEN, R? OR KEEN R?)
S38	6	S1 AND S37
S39	3	RD S38 (unique items)

21/TI/1 (Item 1 from file: 483)

DIALOG(R)File 483:(c) 2004 ProQuest Info&Learning. All rts. reserv.

Air shutdown strands visitors in N.O. Tourism industry works to help guests  
cope, feel at home

24/3,K/1 (Item 1 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

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00499060 E.I. Monthly No: EI7512079482 E.I. Yearly No: EI75013303

**Title: OPTO-ISOLATORS COUPLE CRT TERMINALS TO PRINTER LINES.**

Author: Longacre, Andrew Jr.

Corporate Source: Univ of New Orleans, La

Source: Electronics v 48 n 20 Oct 2 1975 p 118

Publication Year: 1975

CODEN: ELECAD ISSN: 0013-5070

Language: ENGLISH

Abstract: When a terminal with a **cathode - ray -tube display** replaces a teleprinter terminal at the end of a full-duplex 20-milliampere current loop...

...problem is presented, a simple and direct interface -- receiving and sending circuits that are built **round** a pair of opto-isolators. Each circuit uses the 20-mA loop current to power one side of its opto-isolator. In the receiving circuit, which carries **signals** going to the screen of the terminal, the loop current directly drives the isolator's light-emitting diode, and the emitted light drives the **integral** photo-Darlington pair into saturation. ASCII-encoded **signals** occur as momentary interruptions in the 20-mA current, which in turn cause the photo  
...

...this condition and generates positive pulses corresponding to the interruptions. The sending circuit, which carries **signals** coming from the keyboard, employs an analog comparator to sense the sign of the terminal...  
?

27/3,K/1 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03901834 INSPEC Abstract Number: B91041256, C91043708

**Title: A multi-DSP implementation of a broad-band adaptive beamformer for use in a hands-free mobile radio telephone**

Author(s): Claesson, I.; Nordholm, S.E.; Bengtsson, B.A.; Eriksson, P.

Author Affiliation: Dept. of Telecommun. Theory, Lund Univ., Sweden

Journal: IEEE Transactions on Vehicular Technology vol.40, no.1, pt.2  
p.194-202

Publication Date: Feb. 1991 Country of Publication: USA

CODEN: ITVTAB ISSN: 0018-9545

U.S. Copyright Clearance Center Code: 0018-9545/91/0200-0194\$01.00

Language: English

Subfile: B C

**Abstract:** An implementation of a broadband adaptive array on a multiprocessor digital **signal** processing system for use in a hands free mobile radio telephone is described. This implementation...

...filters with up to 128 taps behind each microphone at a sampling rate of 8 **kHz** . The filter structure makes it possible to combine an adaptive array with a noise **canceler** . The **near** -field problem has been solved by using focusing, a speech-controlled adaptive algorithm, and a...

**Descriptors:** computerised **signal** processing...

...Identifiers: digital **signal** processing system...

...8 **kHz** ;

?

36/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

7442831 INSPEC Abstract Number: A2002-24-9385-041, B2002-12-7710D-028

**Title: The use of optics for the in situ determination of flocculated mud characteristics**

Author(s): Manning, A.J.; Dyer, K.R.

Author Affiliation: Inst. of Marine Studies, Univ. of Plymouth, UK

Journal: Journal of Optics A: Pure and Applied Optics Conference Title:  
J. Opt. A, Pure Appl. Opt. (UK) vol.4, no.4 p.S71-81

Publisher: IOP Publishing,

Publication Date: July 2002 Country of Publication: UK

CODEN: JOAOF8 ISSN: 1464-4258

SICI: 1464-4258(200207)4:4L.s71:OSDF;1-M

Material Identity Number: H299-2002-005

U.S. Copyright Clearance Center Code: 1464-4258/02/040071+11\$30.00

Conference Title: Ocean Optics VI

Conference Date: 9 Oct. 2001 Conference Location: London, UK

Language: English

Subfile: A B

Copyright 2002, IEE

...Abstract: high resolution monochrome Pasecon tube video camera, fitted with a f/4 macro lens and **integral** low heat LED illumination, views the flocs through a window in the side of the...

...appear dark on a light background; this reduces image smearing and makes the floc structure **more** clearly visible. A selection of INSSEV flocs are presented from deployments conducted in the upper...

... However, these stringer configuration macroflocs were in the minority and on average only represented 30- 40 % of the total suspended matter concentration. Throughout the **more** turbulent and **higher** concentration spring tides, INSSEV was found to be very effective at measuring floc characteristics, even...

... size) transformed 95% of the ambient suspended particulate matter concentration present into large, fast settling, **more rounded** cluster-type macroflocs with settling velocities of 8-15 mm s/sup -1/ and effective...

...Descriptors: **television** applications

36/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6151771 INSPEC Abstract Number: B1999-03-6320E-002

**Title: A technique of multiaperture transmitting-receiving on synthetic aperture sonar**

Author(s): Yamaguchi, I.

Journal: Electronics and Communications in Japan, Part 1 (Communications)  
vol.82, no.3 p.66-73

Publisher: Scripta Technica,

Publication Date: March 1999 Country of Publication: USA

CODEN: ECJCED ISSN: 8756-6621

SICI: 8756-6621(199903)82:3L.66:TMTR;1-1

Material Identity Number: J974-1998-017

U.S. Copyright Clearance Center Code: 8756-6621/99/030066-08

Language: English  
Subfile: B  
Copyright 1999, IEE

...Abstract: are simultaneously satisfied. The PRF modification makes the ratio of the two aperture lengths an **integer**, and both are obtained for the **above** two conditions. Consequently, unnecessary areas on the transducer always appear at the same position and...

... phase errors in range-curvature compensation can also be reduced by precise adjustment of the **round** -trip time on each aperture of the transducer. Simulation results show that over **40 %** of the original aperture length can be eliminated by the PRF modification, and the proposed

...

...Descriptors: sonar **signal** processing...

...Identifiers: **round** -trip time

**36/3,K/3 (Item 1 from file: 34)**

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2004 Inst for Sci Info. All rts. reserv.

09301821 Genuine Article#: 390MF No. References: 74

**Title: T cell effector function and anergy avoidance are quantitatively linked to cell division**

Author(s): Wells AD; Walsh MC; Sankaran D; Turka LA (REPRINT)  
Corporate Source: Univ Penn, Dept Med, 700 Clin Res Bldg, 415 Curie  
Blvd/Philadelphia//PA/19104 (REPRINT); Univ Penn, Dept  
Med, Philadelphia//PA/19104

Journal: JOURNAL OF IMMUNOLOGY, 2000, V165, N5 (SEP 1), P2432-2443

ISSN: 0022-1767 Publication date: 20000901

Publisher: AMER ASSOC IMMUNOLOGISTS, 9650 ROCKVILLE PIKE, BETHESDA, MD  
20814 USA

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: cells activated by optimal TCR and CD28 ligation exhibit marked proliferative heterogeneity and similar to **40 %** of these activated cells fail entirely to participate in clonal expansion, To address how prior...

...secondary response patterns that depend upon their prior division history, such that cells that undergo **more rounds** of division show incrementally greater IL-2 production and proliferation in response to restimulation, CD4...

...hyporesponsive state that is refractory to both TCR/CD28-mediated and IL-2R-mediated proliferative **signals**. We find that this anergic state is associated with defects in both TCR-coupled activation of the p42/44 mitogen-activated protein kinase (extracellular **signal** -related kinase 1/2) and IL-2-mediated down-regulation of the cell cycle inhibitor...

...in these cells. Therefore, the process of cell division or cell cycle progression plays an **integral** role in anergy avoidance in primary T cells, and may represent a driving force in...

...Identifiers--PROTEIN-KINASE-C; CYTOKINE GENE-EXPRESSION; **SIGNAL** -REGULATED KINASE; DOMAIN-BINDING PROTEIN; ANTIGEN-RECEPTOR; CLONAL ANERGY; TYROSINE PHOSPHORYLATION; SH3 DOMAIN; INTERLEUKIN-2...

**36/3,K/4 (Item 2 from file: 34)**

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci

(c) 2004 Inst for Sci Info. All rts. reserv.

07975055    Genuine Article#: 231EJ    No. References: 41  
**Title: Remotely sensing the earth's atmosphere using the global positioning system (GPS) - The GPS/MET data analysis**  
Author(s): Feng DD (REPRINT) ; Herman BM  
Corporate Source: UNIV ARIZONA, INST ATMOSPHER PHYS, POB  
210081/TUCSON//AZ/85721 (REPRINT)  
Journal: JOURNAL OF ATMOSPHERIC AND OCEANIC TECHNOLOGY, 1999, V16, N8 (AUG)  
, P989-1002  
ISSN: 0739-0572    Publication date: 19990800  
Publisher: AMER METEOROLOGICAL SOC, 45 BEACON ST, BOSTON, MA 02108-3693  
Language: English    Document Type: ARTICLE    (ABSTRACT AVAILABLE)

...Abstract: Due to the atmospheric index of refraction and gradient of the index of refraction, GPS **signals** propagate through the earth's atmosphere along a slightly curved path and with slightly retarded speeds. When these **signals** arrive at a receiver aboard a low earth orbit satellite, the receiver records an excess...

...with the phase delay of a straight line propagation in a vacuum. Using the Abel **integral** equations, the phase delay rates with time can be converted into the atmospheric index of...

...degrees-2 degrees C can be obtained from similar to 5-7 to similar to **40 km above** the ground. Despite the fact that a few outstanding problems in the GPS/MET data...

...GPS/MET occultation method has been demonstrated to be capable of producing accurate, all-weather, **round -the-clock**. global refractive index, density, pressure, and temperature profiles of the troposphere and stratosphere.

**36/3,K/5            (Item 1 from file: 239)**

DIALOG(R)File 239:Mathsci

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03276422    MR 2002f#37075

**Dynamics of non-ergodic piecewise affine maps of the torus.**

Adler, Roy (IBM Thomas J. Watson Research Center, Yorktown Heights, New York, 10598)

Kitchens, Bruce (IBM Thomas J. Watson Research Center, Yorktown Heights, New York, 10598)

Tresser, Charles (IBM Thomas J. Watson Research Center, Yorktown Heights, New York, 10598)

Corporate Source Codes: 1-IBM; 1-IBM; 1-IBM

Ergodic Theory Dynam. Systems

Ergodic Theory and Dynamical Systems,    2001,    21,    no. 4,    959--999.

ISSN: 0143-3857

Language: English    Summary Language: English

Subfile: MR (Mathematical Reviews)    AMS

Abstract Length: LONG (36 lines)

Reviewer: Athanassopoulos, Konstantin (GR-CRET)

Descriptors: ...\*28Dxx, 34Cxx, 34Dxx, 35Bxx, 46Lxx, 58Jxx, 70-XX)-

Low-dimensional dynamical systems-None of the **above** , but in this section  
?

39/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

04299465 INSPEC Abstract Number: B9301-6430-032

**Title: Interlace to progressive scan converter for IDTV**

Author(s): Filliman, P.D.; Christopher, T.J.; Keen, R.T.

Author Affiliation: Thomson Consumer Electronics, Indianapolis, IN, USA

Journal: IEEE Transactions on Consumer Electronics vol.38, no.3 p. 135-44

Publication Date: Aug. 1992 Country of Publication: USA

CODEN: ITCEDA ISSN: 0098-3063

U.S. Copyright Clearance Center Code: 0 7803 0479 9/92/\$03.00

Conference Title: 1992 IEEE International Conference on Consumer Electronics (ICCE)

Conference Sponsor: IEEE

Conference Date: 2-4 June 1992 Conference Location: Rosemont, IL, USA

Language: English

Subfile: B

Author(s): Filliman, P.D.; Christopher, T.J.; Keen, R.T.

...Descriptors: **television** systems

39/3,K/2 (Item 1 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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01729732 E.I. Monthly No: EI8502014587 E.I. Yearly No: EI85117072

**Title: ENCODING AND DECODING WIDEBAND I CHROMA SIGNALS.**

Author: Keen, Ronald T.

Corporate Source: RCA, Consumer Electronics Div, Indianapolis, IN, USA

Source: RCA Engineer v 29 n 6 Nov-Dec 1984 p 11-14

Publication Year: 1984

CODEN: RCAEBC ISSN: 0048-6574 ISBN: 0-916877-00-0

Language: ENGLISH

Author: Keen, Ronald T.

Abstract: The color portion of an National **Television** Systems Committee (NTSC) standard broadcast video signal consists of two phase-modulated signals. One is...

...amount of chrominance resolution by increasing the frequency response of the I channel in the **television** receiver.

Descriptors: **TELEVISION** , COLOR...

...Standards; CODES, SYMBOLIC; SIGNAL FILTERING AND PREDICTION; PHASE MODULATION; **TELEVISION** BROADCASTING; SEMICONDUCTOR DEVICES, CHARGE COUPLED

39/3,K/3 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2004 Inst for Sci Info. All rts. reserv.

04296211 Genuine Article#: RU605 No. References: 30

**Title: IN-SITU LOCALIZATION AND QUANTIFICATION OF 72-KILODALTON TYPE-IV COLLAGENASE IN ANEURYSMAL, OCCLUSIVE, AND NORMAL AORTA**

Author(s): MCMILLAN WD; PATTERSON BK; KEEN RR ; PEARCE WH

Corporate Source: NORTHWESTERN UNIV, SCH MED, DEPT SURG, DIV VASC SURG, 251 E



CHICAGO AVE, SUITE 626/CHICAGO//IL/60611; NORTHWESTERN UNIV, SCH MED, DEPT  
PATHOL/CHICAGO//IL/60611; NORTHWESTERN UNIV, SCH MED, DEPT  
MED/CHICAGO//IL/60611

Journal: JOURNAL OF VASCULAR SURGERY, 1995, V22, N3 (SEP), P295-305

ISSN: 0741-5214

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Author(s): MCMILLAN WD; PATTERSON BK; **KEEN RR** ; PEARCE WH

Abstract: Purpose: Seventy-two-kilodalton type **TV** collagenase (MMP-2), a  
potent collagenase and elastase, is present in inflammatory disease  
states and...

?

File 9:Business & Industry(R) Jul/1994-2004/Jun 08  
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(c) 2004 ProQuest Info&Learning  
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(c) 2004 The Dialog Corp.  
File 47:Gale Group Magazine DB(TM) 1959-2004/Mar 08  
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(c) 2004 The Gale Group  
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(c) 2004 The Gale Group  
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(c) 2004 United Business Media  
File 141:Readers Guide 1983-2004/Jun  
(c) 2004 The HW Wilson Co  
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(c) 2004 The HW Wilson Co  
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(c)2004 Knight Ridder/Tribune Bus News  
File 620:EIU:Viewswire 2004/Jun 08  
(c) 2004 Economist Intelligence Unit  
File 613:PR Newswire 1999-2004/Jun 09  
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File 621:Gale Group New Prod.Annou.(R) 1985-2004/Jun 07  
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(c) 2004 San Jose Mercury News  
File 635:Business Dateline(R) 1985-2004/Jun 08  
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(c) 2004 CMP Media, LLC  
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(c) 2004 The Dialog Corp.  
File 674:Computer News Fulltext 1989-2004/May W5  
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File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

Set	Items	Description
S1	6412837	TV OR TELEVISION
S2	2164616	SIGNAL?
S3	93797	(VIDEO OR CRT OR CATHODE()RAY OR LINE()SCAN?) (3N)DISPLAY?
S4	9336	CHROMINANCE OR LUMINANCE
S5	1404	(NEAR OR VISUAL) (3N)CANCEL?
S6	201	ROUND?(3N) (UP OR DOWN) (5N) (INTEGER? OR INTEGRAL)
S7	1039038	FREQUENC?
S8	1	(BELOW OR LOWER OR EQUAL?) (3N) (39 OR THIRTYNINE OR THIRTY-- NINE) (3N) (KHZ OR KILOHERTZ)
S9	93	(HIGHER OR ABOVE OR MORE) (3N) (40 OR FORTY) (3N) (KHZ OR KILO- HERTZ)
S10	305	ODD()HARMONIC?
S11	2000	(REMOV? OR DELET? OR EDIT? OR AMELIORAT? OR HIDE OR HIDING OR MASK?) (3N)ARTIFACT?
S12	1752	ROUND?(3N) (INTEGER? OR INTEGRAL?? OR S7)
S13	121	AU=(KEEN, R? OR KEEN R?)
S14	4	S1 AND S13
S15	4	RD S14 (unique items)
S16	4	S15 NOT KELO-TV
S17	0	S16 NOT (LIVESTOCK OR QUIZNO? OR GENOTYPE)
S18	125	S7(S)S10
S19	5	S18(S) (KHZ OR KILOHERTZ)
S20	3	RD S19 (unique items)
S21	3	S20 NOT S14
S22	3	S1(S)S4(S) (S5 OR S11)
S23	3	S22 NOT (S14 OR S19)
S24	2	RD S23 (unique items)
S25	0	S11(S)S12

8/3,K/1 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01499488 SUPPLIER NUMBER: 11899139 (USE FORMAT 7 OR 9 FOR FULL TEXT)

A high-resolution, multichannel digital-to-analog converter for digital  
oscilloscopes. (HP 54601A oscilloscope) (includes related article on  
using the high-resolution, multichannel digital-to-analog converter in  
the HP 54601A oscilloscope) (Technical)

Garnett, Grosvenor H.

Hewlett-Packard Journal, v43, n1, p48(9)

Feb, 1992

DOCUMENT TYPE: Technical ISSN: 0018-1153 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2796 LINE COUNT: 00211

... 000 ohms to the 1SJ2 DAC IC channel output. If the filter input  
impedance at 39 . 06 kHz is lower than 100,000 ohms, DAC linearity  
will be degraded. A typical inverting filter that might...  
?

21/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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05787063 Supplier Number: 50276786 (USE FORMAT 7 FOR FULLTEXT)

**Modular Converters Speed Power Designs**

Pendergast, Dennis  
Electronic Design, v46, n20, p89  
Sept 1, 1998  
Language: English Record Type: Fulltext  
Article Type: Article  
Document Type: Magazine/Journal; Trade  
Word Count: 1963

... or difficulty with which each topology filters harmonics of its pulse-repetition rate or operating **frequency** . In PWM converters, most of the energy is found at the fixed **frequency** or at an **odd harmonic** of it. A 100- **kHz** PWM converter will have most of its conducted noise at 100 **kHz** , and some at 300 and 500 **kHz** . They also have significant harmonics at or above 1 to 2 MHz due to non...

...dt). The input conducted filter has to be sized to handle maximum power at 100 **kHz** .

Quasi-resonant converters simplify the design of the conducted line filter because the energy that...

21/3,K/2 (Item 1 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2004 The Gale group. All rts. reserv.

06477313 SUPPLIER NUMBER: 91658083 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Varying resistor tolerances. (Q & A).**

Huster, Dean  
Poptronics, 3, 10, 37(5)  
Oct, 2002  
ISSN: 1526-3681 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 5618 LINE COUNT: 00416

... a similar watch and find a RS receiver that will tune to the LF (Low **Frequency** ) or better yet, the VLF (Very Low **Frequency** ) band. Hold the watch right next to the antenna and tune to an **odd harmonic** of the watch oscillator (32.768 **kHz** times any odd number that will get you to the low end of the receiver's band). For instance, the third harmonic will be 98.304 **kHz** . If the receiver can pick up WWVB at 60 **kHz** , maybe it can hear the watch at 98.3 04 **kHz** . I don't know how a synthesized receiver will work against an accurate crystal reference...

...taking the back off my Casio, I couldn't get a signal at the higher **frequencies** .

Disgusting. I can pick up the radio frequency interference from my computer and monitor all...

21/3,K/3 (Item 1 from file: 88)  
DIALOG(R)File 88:Gale Group Business A.R.T.S.  
(c) 2004 The Gale Group. All rts. reserv.

02798841 SUPPLIER NUMBER: 13556656  
**Proof for the golden ears hypothesis? (tests for analogue radio)**

Duncan, Ben

Electronics World + Wireless World, v97, n1675, p466(2)

June, 1992

ISSN: 0266-3244

LANGUAGE: English

RECORD TYPE: Abstract

...ABSTRACT: Precision has introduced new tests for analogue radio through DSP sampling at up to 192 **kHz** . This sampling can precisely detect error signals through fast settling filtering. One test allows harmonics up to the tenth to be plotted against **frequency** down to 60 ppm. This is demonstrated by the the detection of **odd harmonics** that dominate the output spectra of a Rauch DVT-50s professional power amplifier at 13dB...  
?

24/3,K/1 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2004 The Gale Group. All rts. reserv.

04830169 SUPPLIER NUMBER: 08913668 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Faroudja bypasses tests. (Faroudja Labs to market SuperNTSC system)**

Television Digest, v30, n37, p5(1)

Sept 17, 1990

ISSN: 0497-1515 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 500 LINE COUNT: 00041

... providing digital audio and better luminance and color through  
ghost canceling and computerized filtering to **remove artifacts** . System  
has 5:3 aspect ratio, but wide-aspect ratio can be provided with letterbox  
...

...interlace scanning, 1,035 active lines. Company claims "some picture  
improvement" even for non-SuperNTSC **TV** sets, although main impact will be  
on SuperNTSC sets. Faroudja investors include Comcast, Continental  
Cablevision...

24/3,K/2 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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01324767 Supplier Number: 41547533 (USE FORMAT 7 FOR FULLTEXT)

**FAROUDJA TO BYPASS HDTV TEST PROCESS, BEGIN IMMEDIATE COMMERCIALIZATION**

Communications Daily, v10, n177, pN/A

Sept 12, 1990

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 608

... about \$300 to cost of each TV set.  
SuperNTSC is improved version of current NTSC **TV** signal, providing  
better **luminance** and color through ghost canceling and use of  
computerized filtering to **remove artifacts** . It also includes digital  
audio. Basic system has 5:3 aspect ratio, but wide-aspect...

...2:1 interlace scanning, 1,035 active lines. Company claims "some picture  
improvement" even for **TV** sets that aren't equipped with Faroudja-designed  
chips, although main impact will be on...

?